



PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0851-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input type="checkbox"/> Declaration Submitted with Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)))	<b>Attorney Docket Number</b> 85172-102	
	<b>First Named Inventor</b> Phillip Guy	
	<b>COMPLETE IF KNOWN</b>	
	<b>Application Number</b>	09 / 720,206
	<b>Filing Date</b>	May 3, 2001
	<b>Art Unit</b>	
	<b>Examiner Name</b>	

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**NON-SYMBIOTIC PLANT HEMOGLOBINS TO MAINTAIN CELL ENERGY STATUS**

the specification of which (Title of the Invention)

☐ is attached hereto  
OR  
☒ was filed on (MM/DD/YYYY) **June 24, 1999** as United States Application Number or PCT International Application Number **PCT/CA99/00587** and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 385 (a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application	Foreign Filing Date	Priority	Certified Copy Attached?	
			YES	NO
60/090,929	26 June 1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
60/106,638	2 November 1998	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

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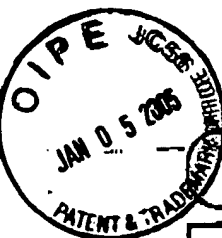
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# DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/> Customer Number or Bar Code Label <b>23529</b> OR <input type="checkbox"/> Correspondence address below			
Name <b>Ade &amp; Company</b>			
Address <b>1780-360 Main Street</b>			
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3C 9Z3</b>	
Country <b>Canada</b>	Telephone <b>204-947-1429</b>	Fax <b>204-942-9723</b>	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any Patent issued thereon.</p>			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>Phillip</b>		Family Name or Surname <b>Guy</b>	
Inventor's Signature		Date	
Residence: City <b>Winnipeg</b>	State <b>MB</b>	Country <b>CA</b>	Citizenship <b>CA</b>
Mailing Address <b>631 Doctor Centre, University of Manitoba</b>			
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3T 5V4</b>	Country <b>Canada</b>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>Stephen</b>		Family Name or Surname <b>Duff</b>	
Inventor's Signature <i>Stephen Duff</i>		Date	
Residence: City <b>Winnipeg</b> <b>St. Louis</b>	State <b>MO</b>	Country <b>USA</b>	Citizenship <b>CA</b>
Mailing Address <b>1952 SEVEN PINES DR.</b>			
City <b>St. Louis</b>	State <b>MO</b>	ZIP <b>63146</b>	Country <b>USA</b>
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3C 9Z3</b>	Country <b>Canada</b>
<input type="checkbox"/> Additional inventors are being named on _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/D2A attached hereto.			

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PTO/552A (11-01)

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**DECLARATION****ADDITIONAL INVENTOR(S)**

Supplemental Sheet

Page \_\_\_ of \_\_\_

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle if any)		Family Name or Surname	
Nie		Kianzhou	
Inventor's Signature			Date
Residence: City	Winnipeg	State MB	Country CA
Citizenship CA			
Mailing Address: 631 Drake Centre, University of Manitoba			
Mailing Address			
City	Winnipeg	State MB	ZIP R3T 5V4
Country Canada			
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle if any)		Family Name or Surname	
Robert		Hill	
Inventor's Signature			Date
Residence: City	Winnipeg	State MB	Country CA
Citizenship CA			
Mailing Address: 631 Drake Centre, University of Manitoba			
Mailing Address			
City	Winnipeg	State MB	ZIP R3T 5V4
Country Canada			
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle if any)		Family Name or Surname	
Douglas		Durnin	
Inventor's Signature			Date
Residence: City	Winnipeg	State MB	Country CA
Citizenship CA			
Mailing Address: 631 Drake Centre, University of Manitoba			
Mailing Address			
City	Winnipeg	State MB	ZIP R3T 5V4
Country Canada			

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## DECLARATION

 ADDITIONAL INVENTOR(S)  
 Supplemental Sheet  
 Page \_\_\_ of \_\_\_

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Nil		Xianzhou	
Inventor's Signature	<i>Xianzhou</i>		Date
Residence: City	Fredericton	State MB NB	Country CA
Mailing Address: <del>631 Drake Centre, University of Manitoba</del> Potato Research Centre, AAFC			
Mailing Address: 850 Lincoln Road, P.O. Box 20280			
City	Fredericton	State MB NB	Country Canada
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Robert		Hill	
Inventor's Signature	<i>R. D. Hill</i>		Date
Residence: City	Winnipeg	State MB	Country CA
Mailing Address: 631 Drake Centre, University of Manitoba			
Mailing Address:			
City	Winnipeg	State MB	Country Canada
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Douglas		Durnin	
Inventor's Signature	<i>Douglas Durnin</i>		Date
Residence: City	Winnipeg	State MB	Country CA
Mailing Address: 631 Drake Centre, University of Manitoba			
Mailing Address:			
City	Winnipeg	State MB	Country Canada

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Supplemental Sheet  
Page 1 of 1

## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unnamed inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Alexander		Sowa	
Inventor's Signature	<i>Alexander Sowa</i>		Date 20/11/2002
Residence City	Winnipeg	State MB	Country Canada
Mailing Address 631 Drake Centre, University of Manitoba			
Mailing Address			
City	Winnipeg	State MB	ZIP R3 5V4
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unnamed inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			Date
Residence City		State	Country
Mailing Address			
Mailing Address			
City		State	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unnamed inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			Date
Residence City		State	Country
Mailing Address			
Mailing Address			
City		State	Country

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## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unpatented inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Aleksander WEADYSEAN		GOWA	
Inventor's Signature	<i>Aleksander Gowa</i>		Date 20/11/2002
Residence City	WARSAWA	State	Country POLAND
Residence City	WARSAWA	State	Country POLAND
Mailing Address	RABZIKOW 10/3		
Mailing Address	05-870 BEONIE		
City		State	Country POLAND
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unpatented inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			Date
Residence City		State	Country
Residence City		State	Country
Mailing Address			
Mailing Address			
City		State	Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unpatented inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			Date
Residence City		State	Country
Residence City		State	Country
Mailing Address			
Mailing Address			
City		State	Country

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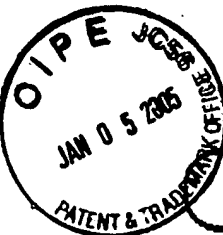


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**DECLARATION — Utility or Design Patent Application**

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Address <b>1780-340 Main Street</b>			
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3C 3Z3</b>	
Country <b>Canada</b>	Telephone <b>204-947-1429</b>	Fax <b>204-941-9723</b>	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.			
NAME OF SOLE OR FIRST INVENTOR :		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>Philip</b>		Family Name or Surname <b>Guy</b>	
Inventor's Signature 		Date <b>20 Nov 2002</b>	
Residence: City <b>Winnipeg</b>	State <b>MB</b>	Country <b>CA</b>	Citizenship <b>CA</b>
Mailing Address <b>631 Drake Centre, University of Manitoba</b>			
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3T 5V4</b>	Country <b>Canada</b>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>Stephen</b>		Family Name or Surname <b>Duff</b>	
Inventor's Signature		Date	
Residence: City <b>Winnipeg</b>	State <b>MB</b>	Country <b>CA</b>	Citizenship <b>CA</b>
Mailing Address <b>631 Drake Centre, University of Manitoba</b>			
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3C 3Z3</b>	Country <b>Canada</b>
<input type="checkbox"/> Additional inventors are being named on _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			

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Address <b>1700-368 Main Street</b>			
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3C3Z3</b>	
Country <b>Canada</b>	Telephone <b>204-947-1429</b>	Fax <b>204-947-5723</b>	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>Philip</b>		Family Name or Surname <b>Gay</b>	
Inventor's Signature		Date <b>20 Nov 2002</b>	
Residence: City <b>GENEVA</b>	State <b>IL</b>	Country <b>USA</b>	Citizenship <b>CA</b>
Mailing Address <b>MONKANTO. CO., 3100 SYCAMORE ROAD</b>			
City <b>DELAWARE</b>	State <b>IL</b>	ZIP <b>60115</b>	Country <b>USA</b>
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any)) <b>Stephen</b>		Family Name or Surname <b>Duff</b>	
Inventor's Signature		Date	
Residence: City <b>Winnipeg</b>	State <b>MB</b>	Country <b>CA</b>	Citizenship <b>CA</b>
Mailing Address <b>651 Drake Centre, University of Manitoba</b>			
City <b>Winnipeg</b>	State <b>Manitoba</b>	ZIP <b>R3C3Z3</b>	Country <b>Canada</b>
<input type="checkbox"/> Additional inventors are being named on _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			

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